IBM SmartCloud for Government

IBM Rational Development and Test—Platform as a Service (PaaS)

Highlights

- Government agencies are able to access Rational software using a monthly subscription basis, in a secure virtualized cloud environment
- Monthly subscription-based consumption model providing pay per use utility; customers pay licensing costs only for the software they use each month
- Start small, without long term commitments
- Lock in savings based on known usage patterns
- Ramp up quickly to the newest technology
- Handle dynamic peak usage needs with ease

Government agencies are facing mounting constraints on IT budgets, including infrastructure and licensing for development and test environments. IBM's Rational Development and Test offering provides an innovative and secure cloud solution enabling agencies to economically satisfy their development and testing needs. Development and test environments are particularly well-suited to move to the cloud for cost savings and agility, as development and test resources are on average idle 85% of the time. The Rational Development and Test Platform as a Service (PaaS) offering is delivered in IBM's SmartCloud for Government, located in secure Federal Information Security Management Act (FISMA) and DoD Information Assurance Certification and Accreditation Process (DIACAP) compliant Federal Data Centers. This platform solution provides agencies the flexibility of cloud services in a secure enterprise-class development and test environment with the industry leading IBM Rational tools suite.

Solution overview

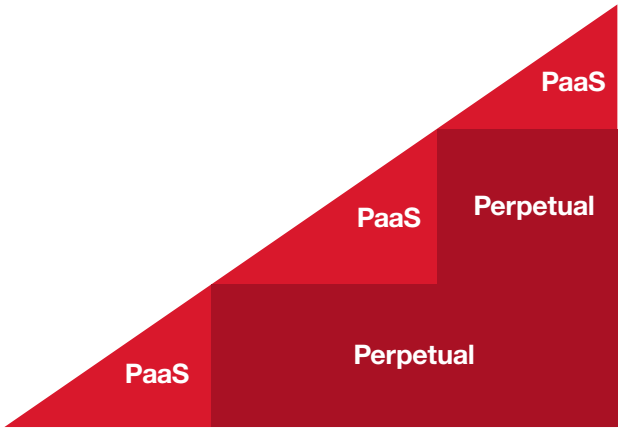
IBM's Rational Development and Test PaaS solution, delivered through IBM business partner CloudOne, allows agencies to have access to IBM Rational tools for a monthly service fee, hosted in IBM's FISMA compliant Community Cloud at one of our geographically dispersed Federal Data Centers. The offering provides agencies the ability to rent the Rational tool(s) they need, by the month. Agencies can also bring their own licenses and pay the hosting service fee only, or buy the licenses as part of the offering. The PaaS per user per month charge is metered by product usage over the course of a contract month. So, Rational tool usage drives the cost rather then entitlement. For example, if a user has entitlement to three IBM Rational tools and only uses two within a given contract month, the user will be charged for the two tools used. We refer to this as "On-Demand Test Provisioning and Licensing."

Standardization of development and test into a PaaS managed environment also improves the client experience with software development quality since 30% of software development errors are introduced through outdated or incorrect configurations. These development environment related errors are avoided through the provisioning of standardized configurations automatically in the IBM SmartCloud for Government. Rational products available include:

- JAZZ
- Requirements Composer (CLM)
- Rational Quality Manager (CLM)
- Rational Team Concert (CLM)
- Focal Point
- DOORs
- Rhapsody
- Clearcase
- ClearQuest

Benefits

PaaS on the IBM SmartCloud for Government provides a lower cost and risk entry point into cloud computing services for government departments and agencies.



Helps government clients by:

- Using PaaS consumption model for easy, fast ramp-up with no long term commitment
- Providing mixed perpetual, term, token and software-as-a-service licenses in your cloud
- Controlling your costs by utilizing multiple licensing options for Rational tools
- Eliminating the need to own and operate a development and test infrastructure
- Meeting FISMA moderate security level

Why IBM and CloudOne

- IBM is a leading provider of IT managed services to government agencies, and has 100 years of experience delivering enterprise-class, innovative, reliable and secure mission critical solutions.
- CloudOne is the industry leading provider of Rational tools managed in a cloud infrastructure. Providing flexible licensing for Rational tools enables flexible and economical Rational usage.
- Optimized delivery of Government Agency Rational Development and Test environment in IBM's FISMA compliant Federal Data Center(s).
- Provides capability to plan, automated, and govern deployments Rational System Architecture (RSA), Rational Automation Framework (RAF), and Rational Asset Manager (RAM).
- IBM delivers government solutions through a combination of industry leading hardware, software, service capabilities of IBM's Federal Data Centers, and adherence to industry and government standards-based processes (for example, FIPS, NIST, ITIL, HSPD-12, PIV-2) resulting in compliant and reliable performance outcomes.
- IBM is a full-service cloud provider with government specific solutions across the spectrum of cloud service layers.

For more information

Please contact your IBM Managed Services Representative or visit, **ibm.com**/federal/cloud or **ibm.com**/software/rational.

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